BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE BYATARAYANAPURA DIVISION

Name of the work: Comprehensive Development For Roads And Drains In Ward No. 5 And 6 Under CMC And TMC Grants, Byatarayanapura Sub-Division, Yelahanka Zone, Byatarayanapura Division. Package No 04(Consists of 23 works)

2nd and Final Bill
Total Abstract

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Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

TOTAL ABSTRACT

Name Of work : -Comprehensive Development For Roads And Drains In Ward No. 5 And 6 Under CMC And TMC Grants, Byatarayanapura Sub-Division, Yelahanka Zone, Byatarayanapura Division.

Job Code :- 005-16-000041, 005-16-000042, 005-16-000043,005-16-000044, 005-16-000045, 005-16-000046, 005-16-000047, 005-16-000048, 005-16-000049, 005-16-000050, 005-16-000051, 005-16-000019, 005-16-000020, 005-16-000021, 005-16-000022, 005-16-000023, 005-16-000024, 005-16-000025, 005-16-000026, 005-16-000027, 005-16-000028, 005-16-000029,005-16-000030. 26620.

Name of Agency :- Sri. M. S. Venkatesh

Bill No :-2nd and Final Bill

BOQ Item No	Description	Units	Qty	Rate	Amount	Remarks
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)					
	1.Thanisandra Road		1153.58			
	Present Qty		1153.58			
	Qty Claimed In Previous Bill		8616.23			
	Total upto date		9769.81			
	Deduct Prev Qty		8570.10			
	Qnty For Payment	Cum	1199.71	196.08	235239.33	
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)					
	1.Thanisandra Road		0.00			
	Present Qty		0.00			
	Qty Claimed In Previous Bill		1227.33			
	Total upto date		1227.33			
	Deduct Prev Qty		1227.33			
	Qnty For Payment	Sqm	0.00	84.51	0.00	
3	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)					
	1.Thanisandra Road		1735.74			
	Present Qty		1735.74			
	Qty Claimed In Previous Bill		6455.34			
	Total upto date		8191.08			
	Deduct Prev Qty		6444.00			
	Qnty For Payment	Sqm	1747.08			
	Upto 125%		1611.00	698.30	1124961.30	
	Above 125%		136.08	698.30	95024.66	
4	KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20 (P.No.137, I.No.18.20 of PW,P&IWTD SR 2016-17)					
	1.Thanisandra Road		0.00			
	Present Qty		0.00			
	Qty Claimed In Previous Bill		56.04			
	Total upto date		56.04			
	Deduct Prev Qty		56.04			
	Qnty For Payment	Cum	0.00	489.04	0.00	

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5	KSRRB M200-15.2. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. iii) Dismantling Stone Masonry B. Rubble Stone maonry in cement mortar (P.No.138, I.No.18.27 of PW,P&IWTD SR 2016-17)					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			53.71		
	Total upto date			53.71		
	Deduct Prev Qty			53.71		
	Qnty For Payment	Cum		0.00	271.31	0.00
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)					
	1.Thanisandra Road			95.36		
	Present Qty			95.36		
	Qty Claimed In Previous Bill			1179.10		
	Total upto date			1274.46		
	Deduct Prev Qty			1174.90		
	Qnty For Payment	Cum		99.56	5610.85	558613.42
7	KSRRB M300- Scarifying Existing Granular Surface to a Depth of 50mm by Manual Means. KSRRB M300-52.1. Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material and complete as per specifications. MORTH Specification No. 305.4.3 (P.No.148, I.No.19.58 of PW,P&IWTD S.R 2016-17)					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			703.50		
	Total upto date			703.50		
	Deduct Prev Qty			703.50		
	Qnty For Payment	Sqm		0.00	43.22	0.00
8	KSRRB M300-52.2. Scarifying Existing Bituminous surface to a depth of 50mm by Mechanical Means. Scarifying the existing bituminous road surface to a depth of 50mm and disposal of scarified material and complete as per specifications. MORTH Specification No. 305.4.3 (P.No.148, I.No.19.59 of PW,P&IWTD S.R 2016-17)					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			14440.30		
	Total upto date			14440.30		
	Deduct Prev Qty			14440.30		
	Qnty For Payment	Sqm		0.00	8.09	0.00
9	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			8879.67		
	Total upto date			8879.67		

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	Deduct Prev Qty			8879.67			
	Qnty For Payment	Cum		0.00	156.05	0.00	
10	KSRRB M300-Construction of Embankment with Material deposited from Roadway cutting. KSRRB M300-54. Construction of embankment with approved material deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Table 300-2 complete asper specifications.which includes , watering charges & compaction by vibratory roller) MORTH Specification No. 305 (P.No.146, I.No.19.61 of PW,P&IWTD S.R 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			292.82			
	Total upto date			292.82			
	Deduct Prev Qty			292.82			
	Qnty For Payment	Cum		0.00	335.81	0.00	
11	KSRRB M 400-17,. Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			15951.63			
	Total upto date			15951.63			
	Deduct Prev Qty			15951.63			
	Qnty For Payment	Cum		0.00	1854.72	0.00	
12	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			68926.99			
	Total upto date			68926.99			
	Deduct Prev Qty			68926.99			
	Qnty For Payment	Sqm		0.00	31.13	0.00	
13	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			42384.71			
	Total upto date			42384.71			
	Deduct Prev Qty			42384.71			
	Qnty For Payment	Sqm		0.00	3.34	0.00	

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14	**KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)**						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			115991.10			
	Total upto date			115991.10			
	Deduct Prev Qty			115991.10			
	Qnty For Payment	Sqm		0.00	13.34	0.00	
15	**KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 (P.No.162 I.No. 21.17.6 of PW,P&IWTD S.R 2016-17)**						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			121.20			
	Total upto date			121.20			
	Deduct Prev Qty			121.20			
	Qnty For Payment	Cum		0.00	7381.06	0.00	
16	**KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)**						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			4542.68			
	Total upto date			4542.68			
	Deduct Prev Qty			4542.68			
	Qnty For Payment	Cum		0.00	8406.27	0.00	

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17	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) ((P.No.177, I.No.22.6.1 of PW,P&IWTD SR 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			656.21			
	Total upto date			656.21			
	Deduct Prev Qty			589.98			
	Qnty For Payment	Cum		66.23	6522.64	432023.80	
18	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&IWTD SR 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			6562.15			
	Total upto date			6562.15			
	Deduct Prev Qty			5899.80			
	Qnty For Payment	Sqm		662.34	100.07	66280.86	
19	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			4325.71			
	Total upto date			4325.71			
	Deduct Prev Qty			4325.71			
	Qnty For Payment	Sqm		0.00	569.31	0.00	
20	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13.(Available stones) (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			45.62			
	Total upto date			45.62			

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	Deduct Prev Qty			42.48			
	Qnty For Payment	Cum		3.14	2921.07	9165.88	
21	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)						
	1.Thanisandra Road			287.47			
	Present Qty			287.47			
	Qty Claimed In Previous Bill			652.88			
	Total upto date			940.36			
	Deduct Prev Qty			652.88			
	Qnty For Payment	Cum		287.47	4655.69	1338387.50	
22	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)						
	1.Thanisandra Road			638.83			
	Present Qty			638.83			
	Qty Claimed In Previous Bill			1181.78			
	Total upto date			1820.61			
	Deduct Prev Qty			1181.78			
	Qnty For Payment	Sqm		638.83	107.86	68904.20	
23	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of						
	1.Thanisandra Road			41.72			
	Present Qty			41.72			
	Qty Claimed In Previous Bill			101.20			
	Total upto date			142.92			
	Deduct Prev Qty			101.20			
	Qnty For Payment	Cum		41.72	6050.07	252401.66	
24	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)						
	1.Thanisandra Road			78.66			
	Present Qty			78.66			
	Qty Claimed In Previous Bill			349.83			
	Total upto date			428.49			
	Deduct Prev Qty			349.83			
	Qnty For Payment	Sqm		78.66	5577.53	438728.51	
25	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.18, I.No.4.31 of PW, P&IWTD SR 2016-17						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			0.00			
	Deduct Prev Qty			0.00			
	Qnty For Payment	Sqm		0.00	325.80	0.00	

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26	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. (P.No.18, LNo.4.48 of PW, P&IWTD SR 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			0.00			
	Deduct Prev Qty			0.00			
	Qnty For Payment	Cum		0.00	6537.10	0.00	
27	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, LNo.37.59.2 of PW, P&IWTD SR 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			129.50			
	Total upto date			129.50			
	Deduct Prev Qty			129.50			
	Qnty For Payment	Cum		0.00	11573.07	0.00	
28	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (P.No.17,						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			6.84			
	Total upto date			6.84			
	Deduct Prev Qty			6.84			
	Qnty For Payment	MT		0.00	77302.07	89.90	
29	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)						
	1.Thanisandra Road			167.16			
	Present Qty			167.16			
	Qty Claimed In Previous Bill			1006.29			
	Total upto date			1173.45			
	Deduct Prev Qty			1006.29			
	Qnty For Payment	Sqm		167.16	1906.03	318611.97	
30	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of PWS by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of						

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	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			4.00			
	Deduct Prev Qty			**4.00**			
	Qnty For Payment	**Each**		**4.00**			
31	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes,**			**0.00**	**1974.22**	**0.00**	
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			200.00			
	Total upto date			**200.00**			
	Deduct Prev Qty			**200.00**			
	Qnty For Payment	**Rmtr**		**0.00**	**320.99**	**0.00**	
32	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes,**						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			200.00			
	Total upto date			**200.00**			
	Deduct Prev Qty			**200.00**			
	Qnty For Payment	**Rmtr**		**0.00**	**419.60**	**0.00**	
33	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 - 100 to 150m**						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			200.00			
	Total upto date			**200.00**			
	Deduct Prev Qty			**200.00**			
	Qnty For Payment	**Rmtr**		**0.00**	**466.81**	**0.00**	
34	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 - 150 to 200m**						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			200.00			
	Total upto date			**200.00**			
	Deduct Prev Qty			**200.00**			
	Qnty For Payment	**Rmtr**		**0.00**	**493.03**	**0.00**	

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35	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 - 200 to 250m**						
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			200.00			
	Deduct Prev Qty			**200.00**			
	Qnty For Payment	**Rmtr**		**200.00**			
36	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes,**			**0.00**	570.66	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			200.00			
	Deduct Prev Qty			**200.00**			
	Qnty For Payment	**Rmtr**		**200.00**			
				0.00	611.57	0.00	
37	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes,**						
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			200.00			
	Deduct Prev Qty			**200.00**			
	Qty for payment	**Rmtr**		**200.00**			
				0.00	652.48	0.00	
38	**Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes,**						
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			200.00			
	Deduct Prev Qty			**200.00**			
	Qty for payment	**Rmtr**		**200.00**			
				0.00	690.24	0.00	
39	**Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with**						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			200.00			

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	Total upto date			200.00			
	Deduct Prev Qty			200.00			
	Qty for payment	Rmtr		0.00	1389.93	0.00	
40	Providing 250mm dia PVC Pipe 6kg/cm SE PRED Approved Rate						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			72.00			
	Total upto date			72.00			
	Deduct Prev Qty			72.00			
	Qty for payment	Rmtr		0.00	791.44	0.00	
41	Providing and fixing 160mm Borewell Cap P. iii, I No. 85						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			4.00			
	Total upto date			4.00			
	Deduct Prev Qty			4.00			
	Qty for payment	Nos		0.00	104.90	0.00	
42	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			4.00			
	Total upto date			4.00			
	Deduct Prev Qty			4.00			
	Qty for payment	Nos		0.00	77940.70	0.00	
43	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			1000.00			
	Total upto date			1000.00			
	Deduct Prev Qty			1000.00			
	Qty for payment	Rmtr		0.00	393.38	0.00	
44	Heavy Duty Collar 50 mm dia						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			171.00			
	Total upto date			171.00			
	Deduct Prev Qty			171.00			
	Qty for payment	Nos		0.00	136.37	0.00	
45	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 6 Sqm mm KPWD Electrical SR 2014-15						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			2036.00			
	Total upto date			2036.00			
	Deduct Prev Qty			2036.00			

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	Qty for payment	Mtr		0.00	197.95	0.00	
46	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09						
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			4.00			
	Deduct Prev Qty			4.00			
	Qty for payment	Nos		4.00			
47	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15			0.00	3147.00	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			4.00			
	Deduct Prev Qty			4.00			
	Qty for payment	Each		4.00			
48	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15			0.00	316.80	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			120.00			
	Deduct Prev Qty			120.00			
	Qty for payment	Mtr		120.00			
49	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15			0.00	147.28	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			120.00			
	Deduct Prev Qty			120.00			
	Qty for payment	Mtr		120.00			
50	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15			0.00	11.33	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			100.00			
	Deduct Prev Qty			100.00			
	Qty for payment	Mtr		100.00			
				0.00	89.17	0.00	

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51	**Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15 - 40mm dia GI pipe**					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			16.00		
	Total upto date			**16.00**		
	Deduct Prev Qty			**16.00**		
	Qty for payment	**Mtr**		**0.00**	361.91	0.00
52	**Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15 - 16Sqmm**					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			4.00		
	Total upto date			**4.00**		
	Deduct Prev Qty			**4.00**		
	Qty for payment	**Nos**		**0.00**	293.72	0.00
53	**Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and**					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			4.00		
	Total upto date			**4.00**		
	Deduct Prev Qty			**4.00**		
	Qty for payment	**Nos**		**0.00**	2860.62	0.00
54	**Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15 - 32 Amps**					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			24.00		
	Total upto date			**24.00**		
	Deduct Prev Qty			**24.00**		
	Qty for payment	**Nos**		**0.00**	188.82	0.00
55	**KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 Page No. 93 Item No. 13.55 / PWD SR 2016-17**					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			4.00		
	Total upto date			**4.00**		
	Deduct Prev Qty			**4.00**		
	Qty for payment	**Nos**		**0.00**	1694.85	0.00
56	**Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 95 / I. No. 13.81.3 PWD SR 2016-7**					

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	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			4.00			
	Deduct Prev Qty			4.00			
	Qty for payment	Nos		4.00			
57	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete			0.00	243.58	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			16.00			
	Deduct Prev Qty			16.00			
	Qty for payment	Nos		16.00			
58	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications			0.00	83.92	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			4.00			
	Deduct Prev Qty			4.00			
	Qty for payment	Nos		4.00			
59	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15			0.00	367.15	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			4.00			
	Deduct Prev Qty			4.00			
	Qty for payment	Nos		4.00			
60	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete P.No. 49, I. No.			0.00	1622.80	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
	Total upto date			87600.00			
	Deduct Prev Qty			87600.00			
	Qty for payment	Nos		87600.00			
61	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and			0.00	0.35	0.00	
	1.Thanisandra Road						
	Present Qty			0.00			
	Qty Claimed In Previous Bill			0.00			
				4.00			

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	Total upto date			4.00			
	Deduct Prev Qty			4.00			
	Qty for payment	Nos		0.00	11539.00	0.00	
62	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			108.00			
	Total upto date			108.00			
	Deduct Prev Qty			108.00			
	Qty for payment	Cum		0.00	197.21	0.00	
63	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.15 item No.3.4.2 b PRED SR 2012-13. - 75 mm dia 6 KSC PVC pipe						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			240.00			
	Total upto date			240.00			
	Deduct Prev Qty			240.00			
	Qty for payment	Rmtr		0.00	164.69	0.00	
64	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs Page No. 3 / Item No. 1.6 / PRED SR 2012-13						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			100.80			
	Total upto date			100.80			
	Deduct Prev Qty			100.80			
	Qty for payment	Cum		0.00	63.99	0.00	
65	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P. 92 / I.13.37 PWD SR - 2016-17						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			8.00			
	Total upto date			8.00			
	Deduct Prev Qty			8.00			
	Qty for payment	Each		0.00	2324.75	0.00	
66	Removing and resetting of footpath slab (P.No.265, I.No.37.56 of PW, P&IWTD SR 2016-17)						
	1.Thanisandra Road			0.00			
	Present Qty			0.00			
	Qty Claimed In Previous Bill			64.80			
	Total upto date			64.80			
	Deduct Prev Qty			64.80			
	Qty for payment	Sqm		0.00	138.99	0.00	

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67	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			108.00		
	Total upto date			108.00		
	Deduct Prev Qty			38.40		
	Qty for payment	Sqm		69.60		
	Upto 125%			9.60	866.20	8315.52
	Above 125%			60.00	866.20	51972.00
68	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications, (only chamfered length shall be recorded) KBS 5.1.13 (P.No.24, I.No.5.22 of PW,P&IWTD SR 2016-17)					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			600.00		
	Total upto date			600.00		
	Deduct Prev Qty			600.00		
	Qty for payment	rmtr		0.00	38.92	0.00
69	Providing One line dressing to granite stone slab/ granite stone masonry as per speciication (P.No.23, I.No.5.17 of PW,P&IWTD SR 2016-17)					
	1.Thanisandra Road			0.00		
	Present Qty			0.00		
	Qty Claimed In Previous Bill			108.00		
	Total upto date			108.00		
	Deduct Prev Qty			108.00		
	Qty for payment	Sqm		0.00	606.01	0.00
	Total Amount					4998720.51

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಟಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

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